

# Converting Colors

XYZ(29.3891, 41.7659, 10.2284)

Have a look what the booklet for  
XYZ(29.3891, 41.7659, 10.2284)  
contains.

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# Color

**XYZ(29.3445, 41.7409,  
10.2516)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BBC38
RGB	139, 188, 56
RGB Percent	55%, 74%, 22%
CMY	0.4549, 0.2627, 0.7804
CMYK	0.26, 0.00, 0.70, 0.26
HSL	82°, 54%, 48%
HSV	82°, 70%, 74%
XYZ	29.3445, 41.7409, 10.2516
YIQ	158.3010, 13.1680, -51.4400

# Conversions

## Conversions Part 2

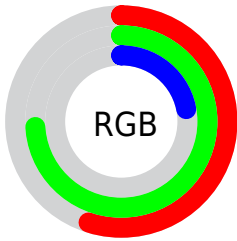
<b>Format</b>	<b>Color</b>
<b>RYB</b>	56, 188, 105
Decimal	9157688
CIELab	70.69, -35.74, 58.48
CIELCh	71, 68.538, 121.428
Yxy	41.7409, 0.3608, 0.5132
Android (android.graphics.Color)	4287347768 (0xFF8BBC38)
YUV	158.3010, -50.4344, -16.9270
Hunter-Lab	64.6072, -31.9881, 35.8171

# Details

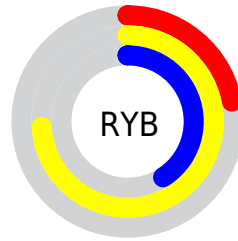
The XYZ color **29.3445, 41.7409, 10.2516** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **16.3187, 9.4637, 48.5459**, and the grayscale version is **32.8551, 34.5661, 37.6425**.

A 20% lighter version of the original color is **57.9849, 77.5848, 26.9582**, and **12.1813, 18.9350, 3.0128** is the 20% darker color. If you saturate the color by 10%, you get **27.8401, 41.0102, 8.2156**, and if you desaturate by 10%, it is **31.0979, 42.5827, 13.2020**.

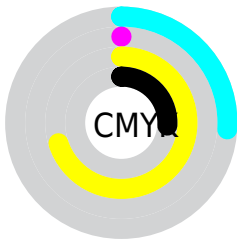
# Distribution



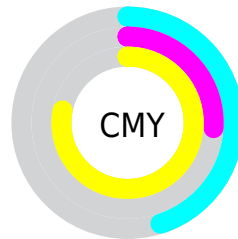
- Red (55%)
- Green (74%)
- Blue (22%)



- Red (22%)
- Yellow (74%)
- Blue (41%)



- Cyan (26%)
- Magenta (0%)
- Yellow (70%)
- Black (26%)




- Cyan (45%)
- Magenta (26%)
- Yellow (78%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3445, 41.7409, 10.2516 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 29.3445, 41.7409, 10.2516 by changing the saturation by 10% instead.





 29.3445, 41.7409,  
10.2516


 29.3445, 41.7409,  
10.2516


290.8019,  
353.4077, 203.0081


 19.4872, 28.8985,  
5.4583


 58.0178, 77.8073,  
26.8829

 12.1289, 19.0040,  
2.4552


 77.5644, 101.8001,  
39.5579


 6.9044, 11.6732,  
0.8163


 101.0715,  
130.2785, 55.6973

 3.4482, 6.5216,  
0.0000

 128.9045,  
163.6268, 75.7195

 1.3949, 3.1647,  
0.0000

 161.4287,  
202.2295, 100.0432

 0.2526, 1.2183,  
0.0000

199.0094,

 0.0000, 0.0766,

246.4710, 129.0868

0.0000

242.0120,  
296.7356, 163.2689

■ 0.0000, 0.0000,  
0.0000

■ 29.3445, 41.7409,  
10.2516

■ 29.3445, 41.7409,  
10.2516

■ 27.8401, 41.0102,  
8.2156

■ 31.0979, 42.5827,  
13.2020

■ 26.5600, 40.3763,  
6.9833

■ 33.1160, 43.5376,  
17.1554

■ 25.4836, 39.8344,  
6.3457

■ 35.4164, 44.6144,  
22.1929

■ 38.0139, 45.8191,  
28.3866

■ 40.9225, 47.1574,  
35.8025

■ 44.1548, 48.6345,  
44.5016

■ 47.7228, 50.2554,  
54.5406

■ 51.6378, 52.0247,  
65.9730

■ 55.9106, 53.9468,  
78.8494

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.1319, 41.7409, 7.2204



29.3445, 41.7409, 10.2516



23.4241, 41.7409, 21.6256

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



29.3445, 41.7409, 10.2516



30.1219, 41.7409, 125.4340



65.7432, 41.7409, 43.9085

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



29.3445, 41.7409, 10.2516



16.3187, 9.4637, 48.5459

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



62.0992, 41.7409, 82.3868



29.3445, 41.7409, 10.2516



40.2200, 41.7409, 140.9780

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



29.3445, 41.7409, 10.2516



23.8090, 41.7409, 86.4642



52.1797, 41.7409, 122.3934



61.3687, 41.7409, 20.0222



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.3445, 41.7409, 10.2516



21.7654, 41.7409, 36.7523



52.1797, 41.7409, 122.3934



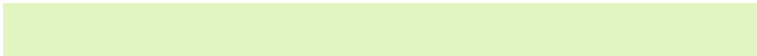
65.4117, 41.7409, 55.4190

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



29.3455, 41.7427, 10.2525



73.5361, 85.1743, 63.2462



26.4451, 20.9598, 6.3938



15.4923, 18.1688, 12.7698



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.3455, 41.7427, 10.2525



49.2074, 73.7069, 13.5674



21.4917, 37.6940, 9.8849



9.9696, 10.9387, 10.1626



17.4340, 27.1634, 4.3242



0.7529, 1.1001, 0.1727



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



16.3187, 9.4637, 48.5459



24.3192, 11.7218, 87.2070



27.1571, 15.0510, 49.0531



9.3421, 9.3932, 11.9929



7.9657, 3.3926, 32.6279



0.3849, 0.1705, 1.2815



# Previews

## White Background



This preview shows how the XYZ color 29.3445, 41.7409, 10.2516 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 29.3445, 41.7409, 10.2516 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 29.3445, 41.7409, 10.2516**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.3445, 41.7409, 10.2516.



This preview shows how white text looks on a background with the XYZ color 29.3445, 41.7409,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

29.3445, 41.7409, 10.2516

### Protanopia

37.5557, 41.4725, 9.2744

### Deuteranopia

42.2539, 41.3796, 10.7611



## Tritanopia

38.3372, 41.7369, 54.7506

# Trichromacy



## Original Color

29.3445, 41.7409, 10.2516

## Protanomaly

33.7966, 40.9821, 9.4972

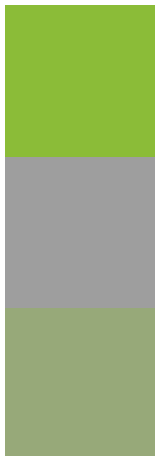
## Deuteranomaly

36.3066, 40.7997, 10.5190

## Tritanomaly

33.5234, 40.9552, 31.3376

# Monochromacy



## Original Color

29.3445, 41.7409, 10.2516

## Achromatopsia

32.4990, 34.1914, 37.2345

## Achromatomaly

30.4017, 36.3357, 23.5003

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.3445, 41.7409, 10.2516 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(139, 188, 56)` looks like.

```
.text, #text, p{  
    color:rgb(139, 188, 56)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(139, 188, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 188, 56) }
```

## Border

The CSS property to change the border of an element to XYZ 29.3445, 41.7409, 10.2516 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(139, 188, 56) }
```

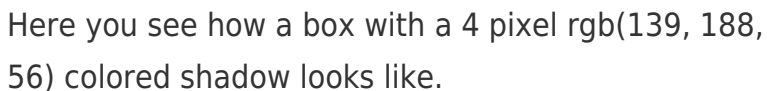


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(139, 188, 56) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(139, 188, 56) colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 188, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 188, 56);  
box-shadow:4px 4px 4px 4px rgb(139, 188,  
56) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.3445, 41.7409, 10.2516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 188, 56) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(139,  
188, 56) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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